DECEMBER • 1988

Saint Paul ATARI Computer Enthusiasts

SPACE

An independent computer user group

SPACE Meeting Friday, Dec 9th at 7:30pm

MAST Meeting Friday, Dec 16th at 7:30pm

At the Falcon Heights Community Center
2077 Larpenteur Avenue West

MAST+ Programmers Meeting
Monday, Dec 19th at 7:30pm

At First Minnesota Bank Building - second floor
Lexington and Larpenteur, in back of building

MAST Minnesota Atari ST

DISCLAIMER

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SPACE/MAST BULLETIN BOARDS

SPACE/MAST East (XE) - BBS Phone: (612)-774-0135
Sysop: Bruce Haug (Home Phone: 774-6226)

SPACE/MAST West (ST) - BBS Phone: (612)-560-9254
Sysop: Steve Pauley (Home Phone: 560-2917)

S·P·A·C·E

President	
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SPACE/MAST Newsletter Editor	
Dave Meile	823-1276

M·A·S·T

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NEWSLETTER ADVERTISING RATES:

1/2 page - 4" vertically x 5 1/8" horizontally - $ 15/mo., $140/yr.
Full page - 8" vertically X 5 1/8" horizontally - $25/mo., $240/yr.
Club members classified - 50¢ per 40 characters, $2.50 minimum per ad.
Send to : Steve Pauley • 2547 - 83rd Court N. • Brooklyn Park, MN 55444

S • P • A • C • E

Notes from the Editor
by Dave Meile

New Editor — Same coverage

I'd like to take a few moments to let you know that although this newletter has a new editor, the content should remain pretty much the same. We will continue to devote half of the newsletter to the Atari 8-bit computer enthusiast, and the other half to the Atari ST computer enthusiast.

In order to do this, I need to receive newsletter articles! It isn't possible to supply all of the coverage for your favorite computer unless *you* help.

When should you submit an article? The **best** time is right after the SPACE or MAST meetings. This gives a nice lead-time so that I can get the newsletter to you early in the month. The ***absolutely latest time*** is the Wednesday a week before the SPACE meeting (on Wednesday). For example, articles in this newsletter were received no later than November 30.

How should you submit an article? Here are the preferred methods:

1. Upload your article to the SPACE/MAST East (XE) or SPACE/MAST West (ST)BBS as an **text file**. The BBS numbers are listed on the inside front cover of this newsletter.

On the MAST BBS, upload the file and mark it as "sysop only" by using the "\" as the first character in the file description. Then leave a private message to David Meile indicating the file name.

On the SPACE BBS, upload the file in the Newsletter Articles section.

2. Submit your article as an **text file** on disk. This is more useful for Atari ST articles at the moment. I don't have an Atari 8-bit computer, so I cannot do the same for Atari 8-bit articles. If someone wants to volunteer to take files on an Atari 8-bit disk and upload it to the SPACE BBS, I could accept articles on Atari 8-bit disks!

3. Print out your article. It can be retyped into the newsletter.

4. Write your article in longhand. Just make sure I can read the handwriting!

Of the above methods, #1 is **much** preferred. Methods #2, 3 and 4 are preferred if you are submitting your article at the SPACE or MAST meeting. You can mail your articles using methods 2, 3 and 4 also.

My mailing address is: David Meile, Box 13038, Minneapolis, MN 55414.

January Newsletter Deadline for Articles and Ads will be January 4 th

November Election Results

Office elections were held at the November SPACE/MAST meetings. The new officers are now in place, and their names can be found on the inside front cover. Here are the results.

For SPACE:

President

Greg Howell

Vice President

Dave Cole

For MAST:

President

Jim Schulz

Vice President

David Meile

For SPACE/MAST:

Treasurer

Allan Frink

Thanks to all of you who attended the November meetings and voted!

SPACE DOM NEWS

December, 1988
by Joe Danko, SPACE Disk Librarian

There are four new disks available for December. And without further ado, here they are:

DOM:

The SPACE Disk Of the Month consists of two sides as follows:
SIDE A: General interest software.

DOS SYS 037
DUP SYS 042
AUTORUN SYS 007
PFKEYS DAT 004
MENU 067
CATMOUSEBAS 059
XMASTREECOM 083
FIRE COM 071
CONNECT4BAS 091
BUSINESSBAS 137
PAT1 BAS 009
PAT2 BAS 009
FRACTAL BAS 006
SNOWFLAKBAS 010
SPERRY BAS 005
MATHGRAPBAS 012

HELP DOC 018
DIR 001

AUTORUN.SYS
Initializes the SUPERKEY macros contained in PFKEYS.DAT and causes MENU to RUN from BASIC.
PFKEYS.DAT
SUPERKEY macros:
CONTROL-4 = 'RUN"D:MENU"'
CONTROL-5 = 'ENTER"D:DIR"'.
MENU
Thanks to Larry Serflaten the MENU program has a new look this month.
CATMOUSE.BAS
ATARI BASIC game that requires a joystick and is sort of like PAC-MAN.
XMASTREE.COM
Binary-load graphics display for the Christmas season.
FIRE.COM
Binary-load graphics display of a blazing fireplace.
CONNECT4.BAS
ATARI BASIC implementation of the vertical drop-in-the-checkers game. Requires a joystick.
BUSINESS.BAS
ATARI BASIC production and sales management simulation game. Can you manage the BUSINESS? Will you be sucsessfull or will you be canned?
PAT1.BAS
PAT2.BAS
FRACTAL.BAS
SNOWFLAK.BAS
SPERRY.BAS
MATHGRAP.BAS
These 6 short ATARI BASIC programs display assorted mathematically produced graphics and are all written or converted by SPACE member Glen Kirshenmann. They should all be good candidates for TURBO-BASIC as the SNOWFLAK and FRACTAL are quite time consuming.

SIDE B: *SUPERARC* The latest and best implementations of disk file compression for the 8-bit ATARI available at this time. This package is extremely user-friendly and is at least five times faster than the original 8-bit ARC system.

DOS SYS 037
DUP SYS 042
READ ME 006
D25ARC OBJ 073
D25UNARCOBJ 083
SPARC COM 073
SPUNARC COM 083
DOCS TXT 253
DOS25 MOD 001

D25ARC.OBJ
ARC disk file compression optimized to run with DOS 2.5.
D25UNARC.OBJ
ARC and ALF disk file retrieval optimized to run with DOS 2.5
SPARC.COM
ARC disk file compression optimized to run with SPARTADOS.
SPUNARC.OBJ
ARC and ALF disk file retrieval optimized to run with SPARTADOS.
DOCS.TXT
Documentation text file for SUPERARC.
DOS25.MOD
This file was used to modify the SPARTADOS ARC/UNARC files for

DOS 2.5.

HELP.DOC

The file you are reading now.

DIR

A one line BASIC disk directory reader that works with a direct-mode "ENTER"D:DIR" from the basic editor to get a disk directory. This works with the SUPERKEY CONTROL-5 macro.

MOVIE DISK:

The next offering is a one-sided issue of movies created from MOVIEMAKER along with a player program.

DOS SYS 037
BOX1 MVM 072
AUTORUN SYS 063
LEPEW MVM 040
NIAGRA MVM 108
BOUNCE2 MVM 068
TWILIGHTMVM 068
BOUNCE MVM 055
DOG MVM 076
DAFFY MVM 041
BUBL MVM 065

Just boot it up without BASIC and sit back to watch. Very nice animated graphics.

80 COLUMN STUFF DISK:

This two-sided disk is for those of you who cannot live without an 80 column display. It has a very nice 80 column text file reader/printer with a built-in 80 column driver and a rather good 80 column terminal program also with a built-in driver. I have used the terminal program successfuly on TCCN, MAST and GENIE. Of course a monochrome hi-res monitor would be helpful if you don't want to get a headache. I couldn't get the Y-MODEM file transfer protocol to work but I have no experience with that so it may have

SIDE A:

The TERM80 version to run with an 850/PR and a HAYES-type modem along with the READ80 program.

DOS SYS 037
DUP SYS 042
AUTORUN SYS 062
COL80HNDCOM 013
TERM80 DOC 040
PHONEDIRBAS 035
READ80 COM 107
READ80 DOC 019
TERM80 INS 005

SIDE B:

The TERM80 version to run withthe ATARI SX212 modem connected to the SIO port. This side also has the READ80 program.

ANALOG #67

And last-but-not-least: the ANALOG magazine Disk Of the Month for December, 1988.

Please remember that the LIBRARY has a nice ADVANCED MUSIC SYSTEM disk of CHRISTMAS music files that come complete with a public-domain player program.



8 Bit Xtra

Comments by Jim Schulz

Well, you wanted the latest news on the 8 bit and here it is.... I have just downloaded this from Compuserve and Antic Online. More 8 bit news coming in the months to come from your source for 8 bit news, SPACE and the SPACE/MAST newsletter.

NEWS FROM THE ATARI FRONT
by Carolyn Cushman, Assistant Editor, Antic

NOVEMBER 22, 1988

WORD FROM SOUTH AMERICA

Antic's offices were visited this week by Ivan Gjurovic, editor of MUNDOATARI, a Spanish-language magazine for Atari users, published in Santiago, Chile. (First issue: June 1987). Gjurovic estimates that 100,000 8-bit Ataris are used in Chile (as opposed to an estimated 10,000 IBM PCs).

A teacher himself, Gjurovic is strongly interested in encouraging the use of Atari computers in the schools in Chile. At present, some 600 schools currently use Ataris, and the government recently made a large purchase of more 8-bit Ataris for use in schools.

In addition to programs and articles of general interest to Atari users, each issue of MUNDOATARI includes an article showing how a particular school uses their computers. The company also produces a device that lets several 8-bits access one drive, so many students may use a program at once, and saving schools the high cost of imported disk drives. Super Examinacion is a program that helps prepare students for their high school evaluation test, PAA (similar to the SAT in the US).

If you are interested in more information on MUNDOATARI, you can write them at Holanda 280 Depto 54, Santiago, Chile.

LIGHT GUN NOW AVAILABLE

The Atari Light Gun (XES2001) is now being sold in a package with the BUG HUNT video game cartridge, for $34.95. By the first quarter of 1989, Atari plans to make the Light Gun available without a cartridge, at a price of $29.95.

Previously available only in a package with Atari's XE Game System, the light gun will work with any 8-bit Atari computer.

VIDEO GAME MILESTONE FOR ATARI

Atari Corp announced it has sold its 26 millionth video game system. The unprecedented sales milestone comes as the revived video game industry dominates toy sales for the third straight year.

According to Michael Katz, President of Atari's Entertainment Electronics Division, Atari has now sold more than twice as many video game systems in total than any other

company. (Of course, Atari had a head start, pioneering the video game industry with "Pong" in the early 1970's.)

According to Atari's press releases, the company has doubled its video game sales for two consecutive years, selling more than 3 million video game units since 1985, including the 2600, the arcade-quality 7800, and the XE, everybody's favorite computer-in-disguse.

The company estimates it holds a 30 percent share of the U.S. home video game hardware market, second in the industry behind Nintendo. In an attempt to increase its market share, Atari has doubled its advertising budget from last year, signed up sports stars to endorse products, and initiated new national promotions and sales incentive offers. The company also hopes to introduce more than 20 new game before the end of the year.

SPECIAL HOLIDAY SEASON PROMOTION

As one of its new sales promotions, Atari Corp. announced the "Atari Holiday Bonus Software Program," offering free game cartridges to consumers who purchase Atari video game systems and software before the end of the year. Between Nov. 21 and Dec. 31, 1988, any consumer who purchases an Atari 2600 or 7800 video game system will receive a bonus of two free game cartridges, direct from Atari. In addition, current owners or new owners who buy any two Atari game cartridges during that period will get one cartridge free.

The holiday bonus software offer is in addition to two previously announced Atari promotions. Through Dec. 31, Atari is offering a $50 consumer rebate on the purchase of the XEGS.

In addition, the company will continue to offer prizes for collecting Atari games through the "Atari Advantage Collector Program." Consumers who collect five games can get a free T-shirt. For 15 games they get one free Atari video game cartridge; for 25 the pride is a reduced price on an Atari 7800 or XEGS, plus a chance at the Grand Prize — a seven-day trip to California.

To augment these special deals, Atari plans to advertise on prime time television, in Parade Magazine in early December, and in newspapers in major market areas.

Last year, retail video game sales overall were $1.1 billion. Analysts project sales of $2 billion for 1988, and it looks like Atari has plans for a large chunk of those sales.



I Touched a Turbo-816!

Copyright 1988 by Tom Hunt

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On Saturday, November 5th, 1988, the Turbo-816 was shown for the first time to the Mid-Ohio Atari

Users Group (MAUG). It was announced beforehand, in the MAUG newsletter, that the Turbo-816 would be demoed, and that interested parties should bring any software that they wanted to test out on it. Chuck Steinman of Dataque was on hand to to answer questions pertaining to the Turbo-816.

The Turbo-816 is a new product being developed by Dataque that is basically a replacement for the CPU and operating system. It replaces it with a 16-bit CPU and an operating system that maintains compatibility with existing software and also make use of the special 16-bit mode.

Two Atari XL's were on hand for these particular demos. One being a stock machine, and the other equipped with the Turbo-816. Chuck pointed out that the new operating system is now fully functional, but not fully optimized. That is to say that there are still some routines that need to be rewritten to get the most power out of the new 65816 CPU. The floating-point routines in the Turbo-816 machine had been partially optimized for 16-bit mode. The demos were run on each machine, and the timed results were compared.

The first demo resulted in four different mathematical equations being plotted to the screens. When the timing results were compared, it was found that the stock XL took 256.783 seconds, and the Turbo-816 machine took 124.049 seconds. Chuck pointed out that when the drawing routines are optimized, that there will be an even more dramatic increase in speed.

The second demo was a test of the various math functions of basic and the operating system. The only screen output generated was the printing of the timed results. Each math function was interated 1000 times. Here is a chart of the results in seconds.

FUNCTION	TURBO-816	STOCK XL
ABS	5.13	5.25
CLOG	40.60	124.76
EXP	33.83	112.20
INT	5.73	5.86
LOG	41.60	132.00
SQR	62.03	136.45
SIN	29.16	81.41
ATN	64.96	127.68
COS	31.86	81.29

Chuck pointed out that these impressive results were achieved simply by replacing many 65C02 opcodes with 65816 opcodes. There will be even more increase in speed when the math package has been totally rewritten to take advantage of 16-bit operands. In other words, the math was done using 16-bit instructions on 8-bit values. the address space. And it can have a depth greater than 256 bytes.

The mode (native or 6502 emulation) is set by a new bit (M) in the processor status register. Several new instructions (SEP and REP) allow you to manipulate individual bits in the status register.

Address modes available include all the original 6502 modes, the NCR 65C02 modes, and Rockwell's additional 65C02 mode, as well a

eight new 65816 modes.

The 65816 has the three hardware interrupts of the 6502 (RESET, NMI, and IRQ), and a new one, called ABORT, which may be used to implement a virtual-memory system. As in the 6502, the interrupt vectors are located in the highest locations of the first 64k of memory.

Software interrupts include the old BRK instruction, as well as a new COP instruction, used of interfacing a co-processor IC. In addition, two instructions adapted from the 6800 family, WAI (wait) and STP (stop), halt the processor until a hardware interrupt occurs (NMI or IRQ), or until the processor is reset, respectively.

MAUG members would like to thank Chuck Steinman of Dataque for giving us the first public demonstration of the TURBO-816. The excitment generated by the demo was real, and reminiscent of what must have been felt by computer enthusiasts when the first real personal computers were shown to the world.

For more information about the TURBO-816, call Chuck's board, The Master-800 BBS, at 419-529-5197. And, for the latest MTOS and enhanced ram programs, feel free to call my board (Closer To Home BBS) at 419-368-4413.



Club Burnout
with Comments by Jim Schulz

The following is an article which appeared in the Michigan Atari Magazine and ST Report #15. It is something that should be read by all members of SPACE and MAST. With the decent folding of TAIG and the near-folding of ACE in Eugene, Oregon, the first Atari user group, it is time that we also look at ourselves as well. I have had this article for a long time, just waiting for the appropriate time to publish it. I am not making comparisons or judgements by publishing this, but showing you another side of the user group.

Based on some of the comments of Chuck Grimsby, president of TAIG, on the MAST BBS, some of these facts hold true for TAIG. Please read this article and make your own judgements. Both SPACE and MAST are always looking for volunteer help and we have never turned down a helping hand.

THOUGHTS ON BURNOUT

Breaking up is hard to do...Thoughts on BURNOUT By John Nagy, Michigan Atari Magazine

[Recent comments and questions in ZMAG and elsewhere seem to require answer and clarification. What follows is a somewhat revised version of my parting comments as publisher of MICHIGAN ATARI MAGAZINE. The comments on BURNOUT are should be heeded by all those crazy enough to be reading all this!]

This [November 1987] is the last issue of MICHIGAN ATARI MAGAZINE that will be published by the original CHAOS Lansing crew (Richard an Judy Barnes, co-editors). And it's

NOT easy to let go.

But the time has come. Burnout is more than a future threat- it is here. Better to turn things over to an enthusiastic new group before the project advances past the "burden" stage and on into the "pain" stage. Especially since such an entusiastic group is NOW presenting itself; this opportunity might not come again soon!

Beginning with the DECEMBER 1987 issue, MAM will be the adopted child of BILL and PATTY RAYL, members of both WAUG (Ann Arbor) and MACE (Detroit). On their adgenda is a merger with the MACE JOURNAL and incorporation of GLASS (Detroit's ST club) and, with any luck, CACE (Jackson) and STING (Grand Rapids ST), as well as continued service to the existing seven Michigan clubs. A circulation of well over 1,500 is likely.

So, expect CHANGES. What you have seen so far has been largely MY vision of what MAM should be... with new management comes a new vision. I hope that all member clubs and readers across te country will be as supportive and as outspoken about the magazine with Patty and Bill as they have been with me. (YIKES! How's that for a mixed message?!)

As for me, I will now actually have time to WRITE more than a few lines and compilations for the magazine (as well as for COMPUTER SHOPPER, which has been very LIGHT on ATARI of late!), as I have a stack of clippings and notes for MANY articles that have been patiently awaiting their turn... so you haven't seen the last of me.

This MAM project has been one of the most satisfying (and time consuming), educational (and frustrating), and creative jobs I have ever had. I am happy to have have done it; I am at once happy and sad to pass it to another. Long may it grow and prosper.

While pondering my own history in CHAOS and MAM, I also recollect the final moments of other ATARI (and other) CLUB officers I have known. The symptoms of BURNOUT form a relatively standard set of events and attitudes that merit comment. Here's a typical and non-comprehensive review:

1. Only people who BURN can BURN OUT. The occasional volunteer (OH TO BE ABLE TO KEEP MY HANDS IN MY POCKETS AND MY WORDS IN MY MIND!) somehow knows his (her) limits and can say NO when it is appropriate. Others are habitual DOERS that can't let things slide.

2. Real DOERS can't just do ONE THING for a club. The Librarian becomes the SYSOP/Librarian, then the President/SYSOP/Librarian. The Treasurer adds the publications coordinator duties. The editor becomes the Vice President. More and more, fewer and fewer people do more and more jobs.

Condition 2 above has several results:

3. Things GET DONE. Prosperity and MOVEMENT mark the early stages of the consolidation of jobs in the small, active, resposible, enthusiastic group.

4. "Regular" members get used to watching the progress, usually quite pleased at the results. They volunteer less since, after all, the DOERS know what needs to be done, and are doing great.

(continued on page 15)

News from the Pres

by Jim Schulz

It's December and Christmas is just about upon us.... Elections are over and yours truly is back for another year. A lot has happened over the last month so let's get going.....

First up, on the MAST BBS two weeks ago, a letter was posted by TAIG president Chuck Grimsby. This letter stated that TAIG was folding at their December meeting. Since then, a number of people have asked why and where does MAST stand now. First off, TAIG. When I started attending user group meetings, TAIG was the first user group that I attended. I will always have a special feeling for TAIG since it got me started and more interested in Atari computers.

Over the years TAIG has gone threw quite a bit and have tried a number of things. Some of them worked and some didn't. I am sorry to see TAIG so since the more Atari that exists here, the better that it is for all. I have requested a current membership list from Chuck Grimsby and maybe Greg Howell and myself can come up with some plan to welcome the former TAIG members into SPACE and MAST.

Next, why TAIG. The letter states that TAIG just ran out of money.Chuck later stated on the MAST BBS that all of the workers quit at the same time and noone was left who wanted to continue.

Now, what about MAST and SPACE???? MAST and SPACE are doing fine. MAST has just finished one of its best years yet. MAST is financially doing well and we are going in membership. Three new members last month with two more renewals. We have a new vice president and treasurer as well as your old president and we are forging ahead.

My goals for the next year are twofold: more members in MAST and more exposure for MAST outside of Twin Cities. Considering that the MAST BBS has about 200 regular callers and only about 50 members in MAST, we have a great potential to expand locally. MAST is not dead and we are striving to make the club better each day.

But.... we need your help. A club cannot run without volunteers. MAST has never turned down someone willing to help. We need helpers in all sorts of areas. If you think that you can't help, read some of the comments of Chuck Grimsby and TAIG on the MAST BBS or the article in this month's issue on club burnout. The only way that a club can grow and survive is if keeps getting new volunteers and new blood. Your help is needed!!!!

Thanks are in order to all of our former officers and current volunteers.

First off, we all owe a great deal of thanks to Bob Siede. Bob has retired as the SPACE/MAST treasurer after three years. Many MAST members never saw Bob or knew of him. But each month, Bob would take care of the room rental, deposit all of the MAST and SPACE funds, update membership records, update financial records and more... Every month, I would get a set of recordsmailed to me without fault. Bob did quite a lot for the club and his help and experience will be greatly missed. Allan Frink, our new treasurer has some big shoes to fill.

Next off, we all need to thank Phil Seifert. Phil has given probably six to seven years to the local Atari community. His help and input will be greatly missed. For those who don't know, Phil has left town for California. Phil left on Thanksgiving day for a new job with Egghead Software on the west coast. Phil gave his all to TAIG, SPACE and MAST. His knowledge of the Atari computers can't be matched. Phil will be greatly missed.

Finally, I want to thank the officers of SPACE, Larry Vanden Plas and John Novotny. They did quite a bit last year to keep SPACE going and moving ahead. Their help was greatly appreciated and will also be missed. Finally again... let's congratulate both our new vice president and new newsletter editor, Dave Meile and our new treasurer, Allan Frink. We all have a big year ahead and we all need your help. Enough said.....

Last month, yes in November we held our yearly elections. I have already announced the winners. We do owe one more person thanks. Thanks go out to Kent Schumacher as well as Dave Meile for their help in finding candidates for officers this year.

This month.... This month is MidiMaze Month. Yes, it is that time of year to again fight the evil Happy faces and see who comes out the winner. This year's prize will be a copy of the new game Arkanoid II. The setup for this year's tournament will be a little different than in the past. This year we will only use six computers and no computer is necessary to play. The only thing that you need to play is yourself and possibly your own joystick. If you are interested in playing or volunteering to bring your computer, please try to get ahold of Dave Meile at home or on the MAST BBS. Preregistration is not necessary, but it helps for advance planning for the tournament. In addition to this, we will also have our regular meeting as well with the latest in ST news and rumors, a few demos of the latest in ST software and the best in public domain software. This month, we will also have two DOM specials. First, we will be selling our complete collection of Christmas music and demos as well as new Christmas selections for $4.00 each. Also, we will be selling our complete ANALOG/ST-Log disk collection for $4.00 as well. Each month ST-Log comes out with a quality disk of software. Now you can pick some of the best from the past for less. MAST's Christmas present to the members!!! So as you can see we have another full meeting planned for December. Also, don't forget the MAST+ meeting the following Monday night. I missed last month's meeting because of work, but I did

make it for pizza. This month, we will have more from our group of contributors as well as the latest on MINIX and Todd's new editor in progress. Steve Murphy might also show off his latest modem game in progress based on Stratego. As well as these, we will hear from Dale, Chuck, John and of course, Dave as well. You never know what is going to happen until you get there so come and find out with me what's in store. For good programming talk and more as well as pizza after the meeting, come to the next MAST+ meeting. To find out the latest on the MAST+ meeting, check out the MAST BBS.

So what's in store for the months ahead.... January is another of the now thrice-annual Swap Meets..... And February is the third annual MAST birthday party. This is the one meeting that you don't want to miss. So mark your calendars and plan early to be there!!!! More plans for the months ahead are in the works so stay tuned!!!!!

Disk sales..... Blank disks are still available at the MAST meeting and directly from me otherwise. Last month, you sold out my old stock. Now for some good news... I found some of the same quality disks at a cheaper price. Until the stocks run out, the new double-sided disk price is $0.95 per disk. I currently have about 300 in stock so I should be able to handle all of the demand. Yes, another Christmas present from MAST. Also, I still have the pin-feed 3.5" over-the-top disk labels for $2.00 per 100. Also, I have some blank disk labels and some empty disk boxes as well for the taking. You have been cleaning me out the last few months, so I am running low on both. If you want them, please take them!!! These are free!!! Can't get a better deal!!!

Newsletter.... This month, we have a rather slim newsletter and it will probably be a little late as well. Both our new newsletter editor and I have been a little busy of late. With the help of Bob Siede, I have able to get Dave everything that he needed mailing and finance-wise. Please help Dave by contributing articles. Without contributions, we won't have much of a newsletter. As he is about to go to press, all he has is a couple of articles from Joe Danko and a number of articles from me and whatever Dave himself writes. If you have anything to contribute, please leave mail for Dave on the MAST BBS, talk to Dave at the MAST meeting or pass your articles off to Greg Howell at the SPACE meeting. This is your newsletter. Without your help, it cannot continue.

BBS..... Yes, the BBS is still up and running. The only complaint that I keep hearing is that the BBS is always busy. But that's good for a BBS. Steve has again added the bulletins back in as well as a message of the day. Maybe next month, Steve will give us a rundown on when the best times are to call the BBS. I call in at least once every day so if you need to get ahold of me, this is one of the best ways. So call the MAST BBS at 560-9254 and give it a try yourself.

Well, I am going to call it quits for this month. It's been a long month

and I need to get this to Dave for publication. But before I go, let's see what the envelope wants for Christmas.... UIS II, the best replacement for your file selector, Multidesk, the best addition for more desk accessories, G-PLUS, a great replacement for the slow GDOS, Neodesk II, what the desktop should really look like, Arkanoid II, one of the best new games out, DungeonMaster II, I just can't wait...., and Karateka, yes you can finally see it on the ST. Well, let's hope the envelope get what he wants for Christmas...

I wish all of you a Merry Christmas, Happy Holidays, and a Happy New Year. I hope to see all of you at the December MAST meeting and MAST+ meeting as well as on the MAST BBS. Happy computing!!!



MAST Disks of the Month

by Jim Schulz

Well, it's that time again for more disks to add to your library. This month, I will depart from the standard format to finish up this article for our new newsletter editor. Now on to this month's news....

Doc disk... I mentioned last month about a disk of READ.MEs with the Tempest demo program as a viewer. Well, I got some response. So, depending on time, I will either make it available this month or next. The current doc disk will be updated in January, either way hopefully with a new version of DISKSCAN, hint.. hint... Todd....

Special continues.... I have only had one taker, but the special on #1 to #200 sale will continue through the end of the month. Here is the deal. All disks #1 through #200 will now be $4.00 each. If you buy 25 or more at one time, they are $3.00 each. Sound simple. This also includes updated disks like Uniterm, ST Xformer, or even ST Writer for only $4.00 each. Buy your computer a Christmas present by stocking up on old disks. If ordered at the MAST meeting, I can guarantee Christmas delivery by mail.

Prices.... All MAST DOMs are $6.00 each. In addition, the MAST news disk, the ST News disk and the doc disk are $2.00. Updates on old disks are $2.00 with the return of the original disk. Also, through the end of the year, disks #1 through #200 are only $4.00 each and when you purchase 25 or more at one time, they are only $3.00 each. So stock up this month!!!!

Specials this month.... This month for Christmas, all Christmas disks are on sale for $4.00 each as well as all ANALOG disks are $4.00 each as well. Pick up some Christmas music and animation fun or the best of ANALOG/ST-Log for only $4.00. MAST's Christmas present to you!!!!

Backorders and com-

ments.... My backorders are somewhat behind and for this I apologize. My dad just finished selling his house and I got some of the furniture, etc. in the move. This as well as a heavy work schedule has pretty much tied me up over the last month. I am working on all disk orders and I hope to have them all in the mail by the time you read this. This month, I am going to buckle under and come up with a disk order/comment form. As I am finding out, I don't always hear what you want in new DOMs or requests for old ones. So please use this form to tell me how I am doing. Based on your requests, I will generate new types of DOMS. Do you want clip art, GDOS fonts, animations, picture disks, children's games or what??? Please let me know?? I only put out what people ask for and want. I will have EMACS available at the meeting per your request as well. Please help me out!!!!

So that's the news for December and now on to the public domain software... This month, we will keep it short. This month's disks include: ANALOG disks (get the December disk and all old disks for a $4.00 price. I will also have a listing of the best of ANALOG disks as well), Christmas disks (yes, this is a collections of Christmas pictures and music as well as some surprises. These are selections from past years as well as new stuff for 1988 as well),

Uniterm (the best keeps getting better, this is a new free update with your original disk), DCOPY (the best of the utility programs again has another version, this time with new viewing and printing options), Clowns & Balloons (this classic 8 bit game is now available for the ST with source as Regent's software's present for Christmas), TempImon (the classic public domain debugger is again out with a new version), Go (this classic Japanese game is now available on the ST), Superboot V5.0 (this startup do-all program now includes 30 function keys among its new options), Calmus demo (this brand-new desktop publishing program from Germany is now available in a complete demo form, but without save. Design a form and check out the print quality in the new highly-toted publishing program of the future), Communication programs, a brand new Dungeon game, and a great new full disk Casino game as well. Finally, we have a free update for the NETHACK owners which fixes a bug in the shell program, a free update for last month's ANALOG disk to add GFA V3.0 source for the CAD-3D program, and a free update to the Sozobon C disk to allow you to run the full compiler from a double-sided disk. This disk compiled by Chuck Purcell, now allows you to do all development from one double-sided disk. That's the short of it this month.

Well, that's a sample of what we have for this month with more coming every day. Check out the MAST BBS the week of the meeting of the latest update on this month's DOMs. As always, I do my best to put out as much good stuff as possible given the time that I have available. I will again be demoing the software at the meeting so check it out before you buy.

If you can't make the meeting and would still like to get ahold of the DOM or would like to get ahold of the DOC disk, my new address is:
5900 65th Avenue North #204
Brooklyn Park, MN 55429

That's it for December. More good stuff coming in daily. Requests are always welcome. I hope to see you all at this month's MAST meetings and on the MAST BBS.

(continued from page 9)

5. The DOERS get used to making decisions for the group. It is only natural that the ones doing the bulk of the work should determine not only HOW to do it, but WHAT to do next. In fact, the "regulars" will encourage the DOERS to use their own judgement, and not bother them with trivial votes, etc.

6. More praise and recognition is given to the DOERS for remarkable accomplishments. The DOERS realize that they individually are making the club a success. At about this point, practices within each division of activity are becoming familiar enough to become ritualistic.

7. What were once exciting challenges becoming everyday duties for the DOERS. The thrill may be gone, but it is replaced with pride and confidence.

8. Eventually the constant run of duties becomes a perceptable drain. Tasks that once kept the DOER up all night in creative frenzy now wait for a night with nothing really good on TV. After all, this is a volunteer job, right?

9. Things slow down for the club. Some things go out late. Some never happen at all. The DOERS get mad because nobody seems to want to help. The membership isn't used to having to help. The membership isn't pleased to be bawled out for being "regular" members.

10.Stirred by the bawlings and seeing an opening, some new people come into the ranks of the DOERS, eager and inexperienced. The DOERS have little patience with this, and even less interest in changing anything from the way they have developed so successfully.

11.Resentment becomes the new bylaw of the organization. DOERS think they are being pushed or replaced with incompetent newcomers, or else they think that nobody cares about what they are doing enough to become involved. The new DOERS get disillusioned by the resistance from the old DOERS and either revolt or retreat. The "regulars" begin to drop out, because they see no movement, because they dislike the "elitest" attitude of the officers, or in order to avoid being assailed by the DOERS.

Finally,

12(a). The original DOERS resign, disappointed to see that support just "wasn't there anymore" for what was once, after all, a GREAT club... (or)

12(b). The Club folds up.

Now this scenario sounds pretty grim, but it is and has been the fate of a number of our sister clubs and organizations. It isn't always this way, of course. We have the power to recognize ourselves in one of these stages and redirect ourselves to a different outcome.

I think I have spotted a singular common indicator of IMMINENT BURNOUT: When an officer (or director) simultaneously complains about too much to do, but refuses to allow others to help in THEIR OWN ways. That's STAGE 9 or even 10, and the end may be near.

For myself, I see that I must retreat from a DIRECTOR to a PARTICIPANT while I still can enjoy participation. As much as it will tug at me to volunteer both advice and effort on each and every project the club takes on, I will have to meter my involvement. Other officers will have to arise from the "regulars", and they will have to make their own policy and procedures. won't like them all, but not everyone liked all of mine, either.

It is a hard lesson for a DOER, and one that goes against reason: Often the only way to assure that a job is done, or even to determine if it needs to be done at all, is to NOT volunteer for it.

Not everything NEEDS to be going smoothly in a club... not every project HAS to be a roaring success... not EVERY owner needs to be IN the club... for the club to be an active, fun, and profitable part of every member's life.

(out of space this month..)

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SPACE and MAST are independent user groups of owners of ATARI Home Computers. It has been organized by local owners of ATARI computers for the purpose of mutual self assistance and sharing of information. It is open to all interested computer enthusiasts.

Benefits of memberships in the groups include monthly newsletter mailed to your home, BBS access, software demonstrations, group purchases, public domain disk(s) of the month software at low prices, reference book library, educational software library (8-bit only) with over 20 titles, personal contacts/learning, greater information and awareness on the world of ATARI, software at discounted prices from dealers, question and answer session, etc. Come to a meeting to find out more.

SPACE - 8Bit Group The SPACE meetings are devoted primarily to the 8-bit ATARI computers such as the 400, 800, 600XL, 800XL, 65XE and 130XE. There is other ATARI related news and some 16-bit news at the SPACE meetings, as well. The SPACE group meets on the second Friday of each month at the Falcon Heights Community Center, 2077 West Larpenteur Avenue, at 7:30pm. Doors open at about 7:10pm.

MAST - ST Group The MAST meetings are devoted primarily towards the ATARI 520ST, 1040ST & MEGA computers. There will be ATARI related news items covered, but not 8-bit news. The MAST group meets on the third Friday of each month at the Falcon Heights Community Center, 2077 West Larpenteur Avenue, at 7:30pm. Doors open at about 7:10pm.

MAST+ - Programming Language User Sig MAST also has a programmer's group meeting. This group has a more technical discussion regarding programming the ST computers in a variety of languages. The group meets on the Monday following the MAST meeting at the First Minnesota bank on Lexington Avenue near Larpenteur Avenue. Meeting time is 7:30, with doors opening at about 7:20pm. The entrance is in the back of the building and leads to a stairway to the second floor.

For more information, or to confirm a meeting time and location, call Greg Hoffman (SPACE) 636-2415 or Jim Schulz (MAST) 533-4193

SPACE/MAST Membership Application

Name_____ Date_____

Address_____

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Phone_____ Equipment/System Used_____

Area of Interest

Check one or both: SPACE____ MAST____

Renewal?____ Address Change?____ Membership Card Given?____

Dues: $15.00 per year - Please enclose with Application.

Mail to: SPACE/MAST, P.O. BOX 12016, New Brighton, MN 55112

SPACE/MAST NEWSLETTER

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